

For Research Use Only

CoraLite® Plus 488-conjugated Cathepsin B Recombinant monoclonal antibody

Catalog Number:**CL488-85841-5**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-85841-5	NM_007798.3	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	13030	243020A5
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	P10605	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	cathepsin B	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
EG3028	37 kDa	
	Observed MW:	
	31 kDa, 39 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : RAW 264.7 cells,
Species Specificity:	
mouse	

Background Information

CTSB(Cathepsin B) is also named as CPSB and belongs to the peptidase C1 family. It participates in intracellular degradation and turnover of proteins. Cathepsin B precursors found in human malignant ascites fluid do not possess mannose-rich carbohydrates suggesting that a defect in the post translational processing of carbohydrate moieties on tumor. Cathepsin B exists as both glycosylated and unglycosylated forms(PMID:1637335). In rat macrophages and hepatocytes pro- cathepsin B is 39 kDa (unglycosylated =35 kDa), whereas in human fibroblasts procathepsin B is 44.5-46kDa (unglycosylated=39kDa)(PMID:2097084). It can be detected the 39 kDa form of pro-CTSB, 31 kDa mature forms in mouse brain by western blot.

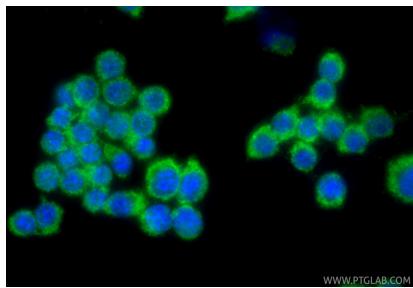
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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Immunofluorescent analysis of (-20°C Ethanol)
fixed RAW 264.7 cells using Coralite® Plus 488
Cathepsin B antibody (CL488-85841-5, Clone:
243020A5) at dilution of 1:200.